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› WISE TIGER AC1200 Wireless Router User Manual

## WISE TIGER WT-RT8501

# WISE TIGER AC1200 Wireless Router User Manual

Model: WT-RT8501

## 1. PRODUCT OVERVIEW

The WISE TIGER AC1200 Wireless Router is a high-speed dual-band router designed for robust wireless internet connectivity in homes, offices, and restaurants. It features 802.11AC/N/G/B/A Wi-Fi technology, beamforming for enhanced signal reliability, and four external 5dBi antennas to ensure long-range coverage, even in basements or attics.

This router supports up to 300Mbps at 2.4GHz and 866Mbps at 5GHz, providing smooth online gaming and video streaming experiences. It also includes a WAN port and four LAN Fast ports (10/100Mbps) for wired connections. Security features include WPA/WPA2-PSK encryption, firewall, parental controls, and guest network capabilities.



Figure 1: Front view of the WISE TIGER AC1200 Wireless Router.

## 2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- AC1200 Wireless Dual Band Router
- Power supply unit
- Quick Installation Guide
- Network cable



Figure 2: All components included in the WISE TIGER AC1200 Wireless Router package.

### 3. PRODUCT DIAGRAM AND PORTS

Familiarize yourself with the router's physical layout and ports:

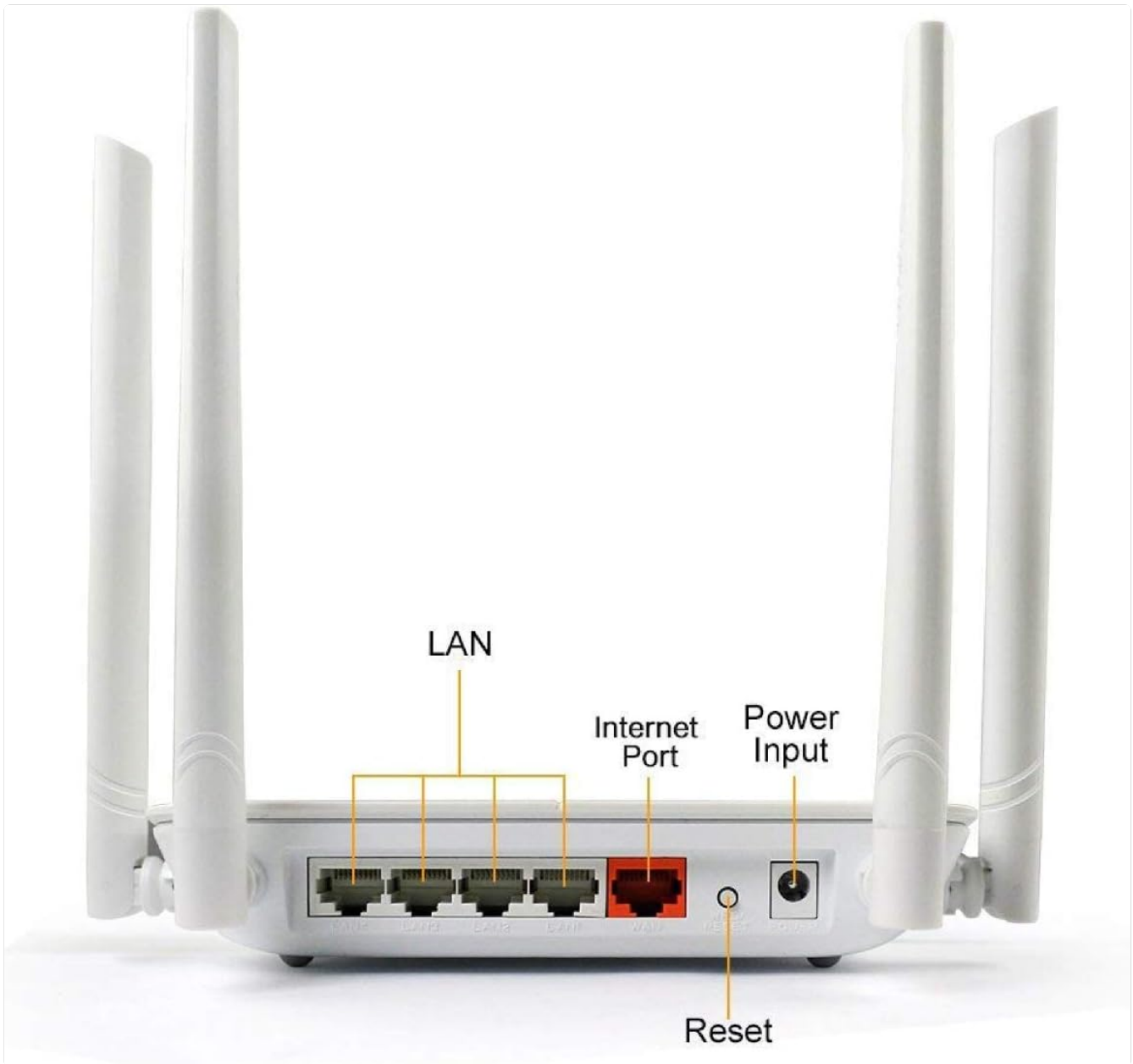


Figure 3: Rear view of the router with labeled ports.

- **LAN Ports (x4):** Connect your wired devices such as computers, gaming consoles, or smart TVs.
- **Internet Port (WAN):** Connect your modem's Ethernet cable to this port to receive internet access.
- **Power Input:** Connect the provided power adapter here.
- **Reset Button:** Used to restore the router to factory default settings. Press and hold for several seconds while the router is powered on.
- **WPS Button:** For quick and secure wireless connection setup with WPS-compatible devices.

## 4. SPECIFICATIONS

Feature	Specification
Brand	WISE TIGER
Model Name	WT-RT8501
Wireless Type	802.11a/b/g/n/ac
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Data Transfer Rate	Up to 300Mbps (2.4GHz), 866Mbps (5GHz)
Antenna	4 x 5dBi External Antennas
Ethernet Ports	1 x WAN, 4 x LAN (10/100Mbps)
Buttons	WPS, Reset
Security	WPA/WPA2-PSK, Firewall, Parental Controls, Guest Network
Operating System Compatibility	Windows XP/7/8/10/Vista, Mac, Android
Item Weight	2.75 ounces
Product Dimensions	1.48 x 6.6 x 5.58 inches

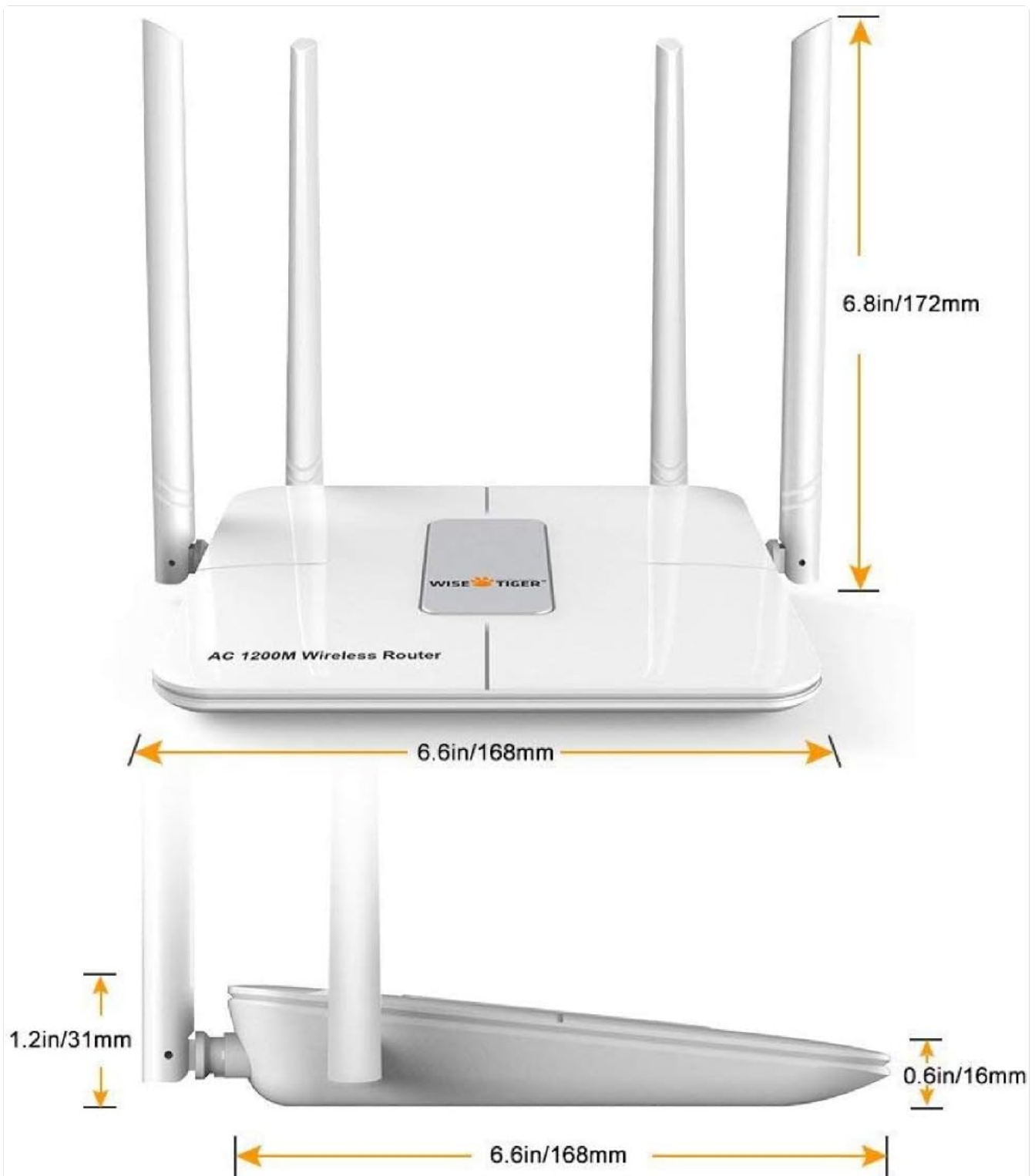


Figure 4: Router dimensions for placement planning.

## 5. SETUP GUIDE

Follow these steps to set up your WISE TIGER AC1200 Wireless Router:

### 5.1 Initial Hardware Connection

1. **Connect WAN Cable:** Plug the broadband wire from your modem into the blue WAN port on the router.
2. **Connect LAN Cable (Optional):** For wired devices, connect one end of the network patch cable to a yellow LAN port on the router and the other end to your PC's LAN network port.
3. **Power On:** Connect the power adapter to the router's power input and plug it into an electrical outlet.

## 5.2 Accessing the Web Interface

1. **Join Wi-Fi:** On your computer or mobile device, connect to the router's default Wi-Fi network. The default Wi-Fi name (SSID) and password can usually be found on a sticker on the bottom of the router.
2. **Open Browser:** Open a web browser (e.g., Chrome, Firefox, Edge).
3. **Enter IP Address:** In the address bar, type 192.168.0.1 and press Enter.
4. **Login:** Enter the default username and password. Typically, both are admin.

## 5.3 WAN Setup (Internet Connection Type)

Select the connection type provided by your Internet Service Provider (ISP):

- **PPPoE:** If your ISP provides a username and password for internet access, select PPPoE and enter the credentials.
- **Static IP:** If your ISP provided a fixed IP address, subnet mask, default gateway, and DNS settings, select Static IP and input these details.
- **Dynamic IP:** If your ISP uses a DHCP server, select Dynamic IP. The router will automatically obtain network settings. No account or static IP info is needed.
- **PPTP/L2TP:** If your ISP provided PPTP/L2TP connection details including a server IP or domain, select this option and enter the required information.
- **WISP (Wireless ISP):** This mode allows the router to connect to another Wi-Fi network as its internet source, acting as a Wi-Fi repeater. Select a Wi-Fi network from the list and log in with its password.

## 5.4 Wireless Settings

Configure your Wi-Fi networks for both 2.4GHz and 5GHz bands:

- **Wi-Fi Name (SSID):** Change the default Wi-Fi name to a custom one for easy identification.
- **Encryption:** Select a strong encryption type, such as WPA2-PSK, for network security.
- **Wi-Fi Password:** Set a strong, unique password for your Wi-Fi network.
- **Band Width:** Adjust the channel width for optimal performance (e.g., 20/40MHz for 2.4GHz, 40/80MHz for 5GHz).

Video 1: Official product video demonstrating the unboxing, features, and installation process of the WISE TIGER AC1200 Wireless Router.

# 6. OPERATING YOUR ROUTER

## 6.1 Optimal Placement

For the best wireless performance, place your router in a central location, away from obstructions like thick walls, metal objects, and other electronic devices that may cause interference. The four high-gain external antennas are designed to provide extensive coverage.



Figure 5: Illustration of the router's high-power signal penetration.

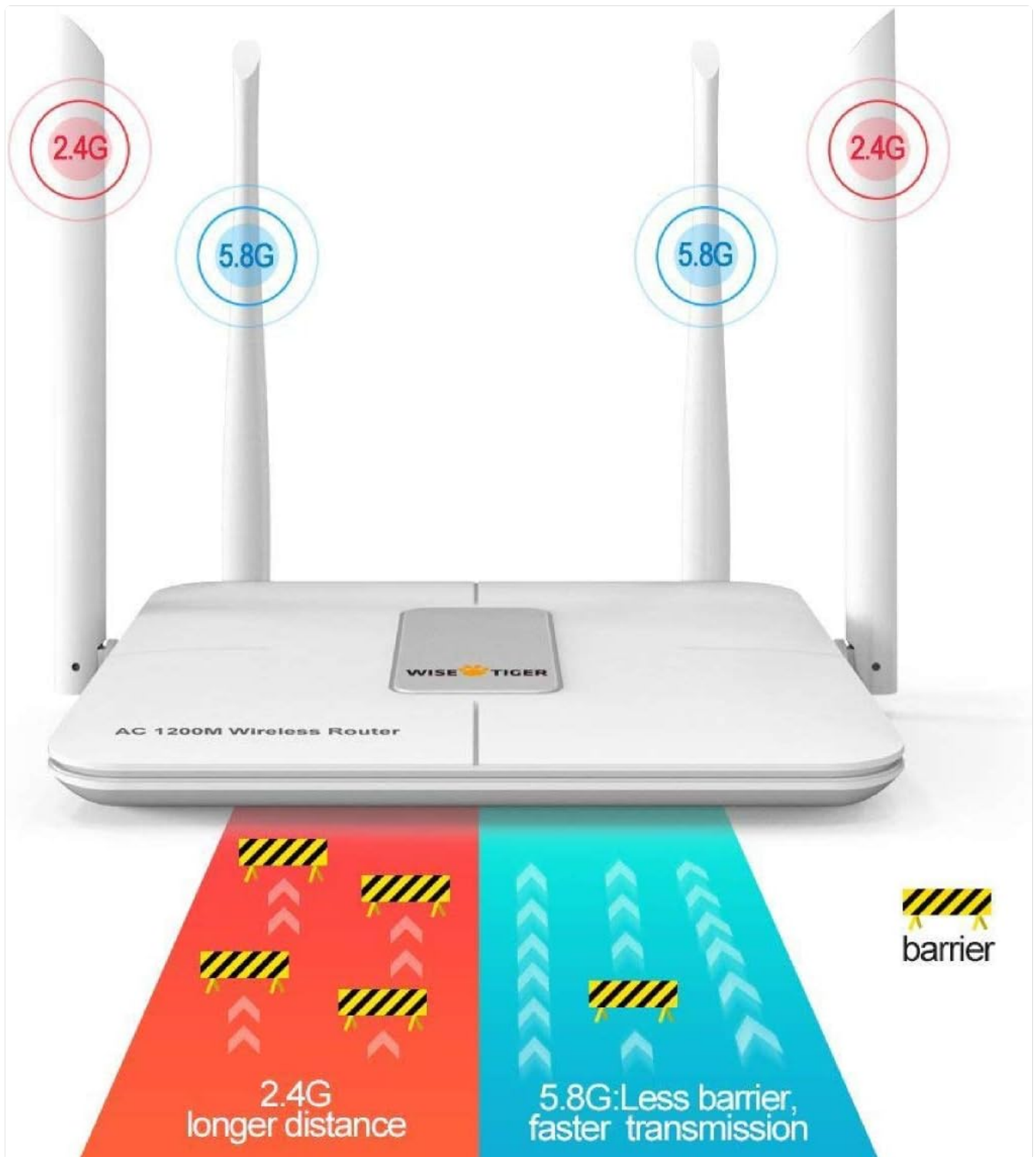


Figure 6: Visual representation of 2.4GHz (longer distance) and 5GHz (faster transmission) band characteristics.

## 6.2 Advanced Features

- **Parental Controls:** Manage and restrict internet access for specific devices or users.
- **Guest Network:** Create separate Wi-Fi networks for guests, providing internet access without sharing your main network password or resources. The router supports up to 3 guest access points.
- **Firewall:** The built-in firewall helps protect your network from unauthorized access and malicious attacks.
- **MAC Filtering (Restricted List):** You can block or allow specific devices on your network based on their MAC addresses. This feature is found under the 'Restricted list' in the web interface.
- **Bandwidth Control:** Allocate specific download and upload limits to connected devices to manage network traffic effectively. This can be configured in the 'Bandwidth Control' section of the web interface.

## 7. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your router:

- **Firmware Updates:** Periodically check the WISE TIGER official website for firmware updates. Updating firmware can improve performance, add new features, and fix bugs.
- **Regular Reboot:** Rebooting your router every few weeks can help clear its memory and resolve minor connectivity issues. Simply unplug the power adapter, wait 10 seconds, and plug it back in.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation openings are not blocked.

## 8. TROUBLESHOOTING

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If you encounter issues with your router, try the following solutions:

- **No Internet Access:**
  - Check all cable connections (WAN, LAN, Power) to ensure they are secure.
  - Verify your modem is working correctly. Try rebooting both the modem and the router.
  - Confirm your WAN settings in the router's web interface match your ISP's requirements.
- **Weak Wi-Fi Signal or Dead Zones:**
  - Relocate the router to a more central position in your home/office.
  - Adjust the router's antennas for better signal direction.
  - Minimize interference from other electronic devices (cordless phones, microwaves).
  - Consider using the WISP mode to extend coverage if you have another Wi-Fi network.
- **Cannot Access Router Web Interface:**
  - Ensure your device is connected to the router's Wi-Fi or via an Ethernet cable to a LAN port.
  - Verify you are typing the correct IP address (192.168.0.1).
  - Clear your browser's cache and cookies, or try a different browser.
  - If you forgot your login credentials, you may need to perform a factory reset.
- **Factory Reset:** If all else fails, use a paperclip or pin to press and hold the Reset button on the back of the router for about 10 seconds while it is powered on. This will restore all settings to their factory defaults, including Wi-Fi name and password. You will then need to reconfigure the router.

## 9. WARRANTY AND SUPPORT

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WISE TIGER provides a **1-year warranty** for this product. In case the product does not meet your satisfaction or experiences issues within this period, a new replacement will be provided.

For technical support or warranty claims, please refer to the contact information provided in your product packaging or visit the official WISE TIGER website for the most up-to-date support resources.

*Please retain your proof of purchase for warranty purposes.*

